

Patents Recently Issued to IBM Inventors

April and May 1967

April, 1967

3,312,174	Variable Cycle Control System for a High Speed Printer	J. M. Cunningham
3,312,238	Monostable Fluid Logic Element and Actuator	W. F. Voit, Jr.
3,312,244	Bistable Fluid Logic Element	W. F. Voit, Jr.
3,312,325	Chip Orientor	G. C. Beck, J. J. Godat, A. H. Larsen and T. J. Rajac
3,312,519	Wide Range High Speed Adjustable Focusing of High Frequency Electromagnetic Radiation	E. Max
3,312,673	Ethylenically Unsaturated Carbazole Polymeric Materials and Methods of Making the Same	W. A. Hewett
3,312,871	Interconnection Arrangement for Integrated Circuits	H. Seki and D. P. Seraphim
3,312,878	High Speed Packaging of Miniaturized Circuit Modules	L. J. Poch, R. A. Rinne, W. K. Springfield, B. E. Stevens and W. G. Sweeney
3,312,881	Transistor with Limited Area Base-Collector Junction	H. N. Yu
3,312,894	System for Measuring a Characteristic of an Electrical Pulse	J. A. Blake and J. C. Boyd
3,312,906	Multivalley Semiconductor Amplifier for Hypersonic Waves	M. Pomerantz
3,312,915	Coupled Helical Wave Structure Employing a Remanently Magnetized Ferrite	I. G. Akmenkalns and P. A. Lord
3,312,946	Processor for Coded Data	J. L. Craft and W. B. Strohm]
3,312,948	Record Format Control Circuit	A. J. Capozzi
3,312,957	Simplified Access Optical Memory	H. Fleisher, T. J. Harris and E. Shapiro
3,312,962	Apparatus for Magnetically Recording Data at a Random Location.	H. K. St. Clair
3,313,387	Rebound Limiting Device for Typewriter	E. J. Lenney
3,313,389	Constant Torque Drive Means for Typewriter	W. O. Cralle, Jr.
3,313,395	Clamp Assembly	F. L. De Turris and J. J. Godat
3,313,663	Intermetallic Semiconductor Body and Method of Diffusing an N-Type Impurity Thereinto	T. H. Yeh and R. M. De Fries
3,313,914	Monitored Evaporant Source	G. C. Roberts and G. G. Via
3,314,013	Variable Delay Pulse Generating Apparatus	J. Dirac and D. Royse
3,314,052	Light Modulation System	A. W. Lohmann
3,314,067	Re-Directive Antenna Array and Related Communications Systems	E. M. Rutz
3,314,131	Wire Threading Method and Apparatus	R. L. Judge
3,314,296	Indexing Drive Mechanism	K. Clark and T. J. Rajac
3,314,603	Fluid Encoder and Actuator	J. E. Jones and J. A. Machmer
3,314,729	Pneumatic Belt Device Utilizing Back-Pulsing or Forward-Pulsing	H. K. Baumeister, A. W. Orlando and W. B. Phillips
3,314,869	Method of Manufacturing Multilayer Microcircuitry Including Electropolishing to Smooth Film Conductors.	W. J. Dobbin, A. E. Lessor, Jr. and F. S. Maddocks
3,315,088	Read Out of Phase Coded Data	L. E. West
3,315,145	Inverter with Improved Commutation Operation	E. A. Menard
3,315,229	Blood Cell Recognizer	E. T. Smithline
3,315,233	Self-Addressing and Self-Assigning Memory System	R. Decampo and J. J. Fildes
3,315,235	Data Processing System	R. J. Carnevale, A. F. Collins, J. E. Greene, W. P. Hanf, A. A. Magdall, C. B. Perkins, Jr., J. W. Rood and A. E. Villante
3,315,242	Modulation and Transfer of Information Achieved by Speed Differential.	J. A. Haddad
3,315,840	Automatic Disk Stacking Device	A. W. Tollkuhn
3,316,088	Process of Electrophotography Based on Electrophotolytic Reactions and Element Therefor	R. M. Schaffert
3,316,536	Single Channel Character Sensing Apparatus	D. R. Andrews and D. L. Noble

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3,317,019	Keyboard Overlay to Change Indicia Indicated by Key Cap	R. F. Braune
3,317,266	Electrochromic Light Valve	W. R. Heller, J. Kumamoto, J. J. Luzzi and J. C. Powers, Jr.
3,317,332	Comminution of Glass	W. A. Pliskin
3,317,410	Agitation System for Electrodeposition of Magnetic Alloys	I. M. Croll and R. G. Stevens

3,317,733	Radiation Scanner Employing Rectifying Devices and Photoconductors . .	<i>J. W. Horton and R. J. Lynch</i>
3,317,754	Maximum Amplitude Pulse Selector	<i>D. J. Comer and H. A. Ferrier</i>
3,317,798	Cooling Electrical Apparatus	<i>R. C. Chu, P. J. Cunavelis, J. J. Gerstenhaber and J. H. Seely</i>
3,317,848	Non-Reciprocal Light Amplifier	<i>R. W. Keyes</i>
3,317,898	Memory System	<i>H. Hellerman</i>
3,317,899	Information Processing System Utilizing a Key to Address Transformation Circuit	<i>R. T. Chien and C. V. Freiman</i>
3,317,900	Adaptive Logic System	<i>G. L. Clapper</i>
3,317,901	Adaptive Logic System with Inputs Applied Randomly Only During Conditioning Cycles.	<i>L. A. Michael</i>
3,317,902	Address Selection Control Apparatus	<i>R. E. Norwood</i>
3,318,329	Fluid-Operated Logic Devices	<i>R. C. Burns, T. Hasegawa and V. R. Simpson</i>
3,318,429	Wire Harness Structure for Matrix Printing Apparatus	<i>M. M. Astrahan, B. Housman, H. L. Kurkjian and B. L. Sarahan</i>
3,319,230	Data Processing Machine Including Program Interrupt Feature	<i>W. E. Mutter</i>
3,319,311	Semiconductor Devices and Their Fabrication	<i>K. J. Roche and P. H. Palmateer</i>
3,319,317	Method of Making a Multilayered Laminated Circuit Board	<i>L. L. Headrick and E. W. Miller</i>
3,320,600	Tape Velocity Change Detection Circuit	<i>F. J. Bolda, J. T. Gulliksen and H. K. Hazel</i>
3,320,658	Method of Making Electrical Connectors and Connections.	<i>M. E. Nyberg and D. D. Towne</i>
3,321,121	Feeding Apparatus for Multi-Width Tapes	<i>H. Koretzky</i>
3,321,328	Coating of Aluminum Substrates with a Magnetic Material	<i>R. C. Burns, T. Hasegawa and V. R. Simpson</i>
3,322,253	Vibration Control Apparatus for a Matrix Printer	<i>J. E. Jones</i>
3,322,255	Multi Element Pneumatic Actuator	<i>R. N. Eichorn</i>
3,322,441	Continuous Card Forms	<i>J. M. Woodall</i>
3,322,501	Preparation of Gallium Arsenide with Controlled Silicon Concentrations. .	<i>W. R. Remley</i>
3,323,064	Compatible Single-Sideband Transmitter.	<i>D. C. Gazis and R. B. Potts</i>
3,323,106	Traffic Intersection	<i>A. P. Mullery and R. F. Schauer</i>
3,323,108	Symbolic Addressing	<i>J. G. Barcomb and E. T. Kozol</i>
3,323,119	Display System for a Data Processing Unit	